

To: Office of Planning and Research
PO Box 3044
1400 Tenth Street, Room 113
Sacramento, CA 95812-3044

From: California Energy Commission
1516 Ninth Street, MS-48
Sacramento, CA 95814

Project Applicant: All Power Labs, Inc.

Project Title: Development and Demonstration of Distributed Biomass CHP Microgrid Systems

Project Location:

Table with 3 columns: Address, City, County. Rows include 2311 Magnolia St (Oakland 94607, Alameda), 1010 Murray St (Berkeley 94710, Alameda), and 7397 Edison Ave (Ontario 91762, San Bernardino).

Description of Nature, Purpose and Beneficiaries of Project:

This work focuses on continued development and release of the All Power Labs 25 kW combined heat and power biomass generator system, Power Pallet PP30 v 3.0, which will include improvements to feedstock flexibility and operations and maintenance, configuration into a containerized inverter-based microgrid distributed energy resource, and demonstration of the system at a disadvantaged community site in California. Each microgrid container will be sized to 50 kW of power generation and will consist of two PP30 Power Pallets, one L00120 Energy Port Battery System, two Oztek RS40 bi-directional inverters, and an Ageto Microgrid Control System. The containerized microgrid will be grid connected, offsetting grid electricity during operating hours. In the event that the grid goes down, the microgrid will be able to island as a single controllable entity under the command of an advanced controller from Ageto Energy. The microgrid controller will isolate the containers from the grid providing renewable backup power.

Name of Public Agency Approving Project: California Energy Commission

Name of Person or Agency Carrying Out Project: All Power Labs, Inc.

Exempt Status: (check one)

- Ministerial Exemption (Pub. Resources Code § 21080(b)(1); Cal. Code Regs., tit. 14, § 15268);
Declared Emergency (Pub. Resources Code § 21080(b)(3); Cal. Code Regs., tit. 14, § 15269(a));
Emergency Project (Pub. Resources Code § 21080(b)(4); Cal. Code Regs., tit. 14, § 15269(b)(c));
[X] Categorical Exemption. State type and section number
Cal. Code Regs., tit. 14, sec. 15301 and Cal. Code Regs., tit. 14, § 15329(b)
Statutory Exemptions. State code number.
Common Sense Exemption. (Cal. Code Regs., tit. 14, §15061(b)(3))

Authority cited: Sections 21083 and 21110, Public Resources Code. Reference: Sections 21108, 21152, and 21152.1, Public Resources Code.

**Reasons why project is exempt:**

Cal. Code Regs., tit. 14, sec. 15301 Existing Facilities- This project involves development and operation of a novel dispatchable multi-modal biomass energy microgrid in an existing commercial facility. Therefore, the project falls within section 15301 and will not have a significant effect on the environment.

Small-scale co-generation at existing facilities is categorically exempt from CEQA per Cal. Code Regs., tit. 14, sec. 15329(b) and as this proposal consists of development and testing of cogeneration equipment with a capacity of 50 MW or less at existing facilities, it meets the conditions described in this section of CEQA Exemptions for cogeneration projects at existing facilities. The facility where the work will be conducted is located in a commercial industrial zone, which is generally appropriate for light industrial activities. The work will not result in an increase of noise to nearby residences in excess of the local performance standards and the equipment will not result in emissions above the thresholds established by the Bay Area Air Quality Management District. Furthermore, this project will neither involve handling hazardous materials nor any explosives.

**Lead Agency**

**Contact Person:** \_\_\_\_\_ **Area code/Telephone/Ext:** \_\_\_\_\_

**If filed by applicant:**

1. Attach certified document of exemption finding.
2. Has a Notice of Exemption been filed by the public agency approving the project?  Yes  No

**Signature:** P Doughman **Date:** April 19, 2021 **Title:** Commission Agreement Manager

**Signed by Responsible Agency**

**Signed by Lead Agency**

**Signed by Applicant**

**Date received for filing at OPR:** \_\_\_\_\_